In the Claims:

Please amend the claims as follows:

1. (Currently Amended) ~~An~~ A computer implemented method in an electronic document distribution system for routing broadcasting packets from a sending ~~server~~ router to a receiving ~~server~~ router comprising:

means for temporarily storing a broadcasting payload of a broadcasting packet inside ~~a~~ the receiving broadcasting router ~~as a coded header by temporarily coding the broadcasting payload~~;

means for temporarily stripping the broadcasting payload from the broadcasting packet at the receiving router;

~~means for temporarily replacing the stripped broadcasting payload;~~

~~means for adding the replaced payload to a header of the broadcasting packet;~~

means for transmitting a ~~the coded~~ header for each of a plurality of the broadcasting packets ~~packet~~ from the sending router to the receiving ~~server~~ router, wherein said packets have different headers and identical payloads ~~via the broadcasting router~~; and

means for ~~transmitting~~ attaching the broadcasting payload stored in the receiving router to the ~~its coded~~ header ~~in the~~ arriving at the receiving ~~server via the broadcasting~~ router. ~~; and~~

~~means for converting the replaced payload of the broadcasting payload from its coded format to form a full broadcasting packet in the receiving server.~~

2. (Previously Presented) The system of claim 1 further comprising means in the document distribution system for reducing the broadcasting payload of the broadcasting packet to a coded header.

3. (Currently Amended) The system of claim 2 further comprising:

means for receiving the ~~coded~~ header of the broadcasting packet and patching the broadcasting payload that corresponds to the ~~replaced payload in the coded~~ header from storage; and

2

means for relaying the broadcasting payload to a destination router according to its address.

4. (Original) The system of claim 3 wherein said document distribution system is an electronic mail distribution system associated with electronic mail sources.

5. (Original) The communication network of claim 3 wherein:

said communication network is a distributed network;

said broadcasting payloads are digitized packets; and

said network distribution system is a network server system.

6. (Currently Amended) In a communication network with user access via a plurality of data processor controlled interactive display terminals for sending and receiving broadcasting packets, a method of distributing transmitted electronic documents routing broadcasting packets from a sending ~~server~~ router to a receiving ~~server~~ router comprising ~~including the steps of~~:

temporarily storing a broadcasting payload inside ~~a~~ the receiving broadcasting router ~~as a coded header by coding the broadcasting payload~~;

stripping the broadcasting payload temporarily from ~~the~~ a broadcasting packet;

~~replacing the broadcasting payload temporarily in the broadcasting packet with a replacement payload~~;

~~adding the replacement payload to a header of the broadcasting packet~~;

transmitting ~~a coded header~~ headers for each of ~~the~~ a plurality of the broadcasting packets ~~packet~~ from the sending router to the receiving ~~server~~ router, wherein said packets have different headers and identical payloads ~~via the broadcasting router~~; and

~~transmitting~~ attaching the broadcasting payload stored in the receiving router to the ~~its~~ ~~coded~~ header ~~in the~~ arriving at the receiving ~~server via the broadcasting~~ router. ~~; and~~

~~converting the replacement payload of the broadcasting payload from its coded format to form a full broadcasting packet in the receiving server.~~

3

7. (Original) The method of distributing electronic documents of claim 6 further including the step of reducing the broadcasting payload of the broadcasting packet to a ~~coded~~ header of the broadcasting packet.

8. (Currently Amended) The method of distributing electronic documents of claim 7 further <u>comprising</u> ~~including the steps of~~:

    receiving the ~~coded~~ header of the broadcasting packet and patching the broadcasting payload that corresponds to ~~replacement payload in~~ the header from storage; and

    relaying the broadcasting payload to a destination router according to its address to form the full broadcasting packet.

9. (Original) The method of distributing electronic documents of claim 8 wherein said document distribution system is an electronic mail distribution system associated with electronic mail sources.

10. (Original) The method of distributing electronic documents of claim 8 wherein:

    said communication network is a distributed network; said broadcasting payloads are digitized packets; and

    said network distribution system is a network server system.

11. (Currently Amended) A computer readable medium storing a computer program which when executed performs the implementation for distributing electronic documents in a communication network with user access via a plurality of data processor controlled interactive display terminals for sending and receiving broadcasting packets, said program for routing broadcasting packets from a sending ~~server~~ <u>router</u> to a receiving ~~server~~ <u>router</u> comprising:

    means for temporarily storing a broadcasting payload inside ~~a~~ <u>the receiving</u> broadcasting router ~~as a coded header by temporarily coding the broadcasting payload~~;

    means for temporarily stripping the broadcasting payload from ~~the~~ <u>a</u> broadcasting packet;

    ~~means for temporarily replacing the stripped broadcasting payload;~~

    ~~means for adding the replaced payload to a header of the broadcasting packet;~~

4

means for transmitting ~~the coded header~~ <u>headers for each</u> of ~~the~~ <u>a plurality of the</u> broadcasting <u>packets</u> ~~packet to~~ <u>from the sending router to</u> the receiving <u>router, wherein said</u> <u>packets have different headers and identical payloads</u> ~~via the broadcasting router~~; and

means for ~~transmitting~~ <u>attaching</u> the broadcasting payload <u>stored in the receiving router</u> to ~~its~~ <u>the</u> ~~coded~~ header ~~in the~~ <u>arriving at the</u> receiving ~~server via the broadcasting~~ router<u>.</u> ~~; and~~

~~means for converting the replacement payload of the broadcasting payload from its coded~~ ~~format to form a full broadcasting packet in the receiving server.~~

12. (Currently Amended) The computer readable medium of claim 11 further ~~including~~ <u>comprising</u> means in the document distribution system for reducing the broadcasting payload of the broadcasting packet to a ~~coded~~ header of the broadcasting packet.

13. (Currently Amended) The computer readable medium of claim 12 further <u>comprising</u> ~~including~~:

means for receiving the ~~coded~~ header and patching the broadcasting payload that corresponds to the ~~replaced payload in the coded~~ header from storage; and

means for relaying the broadcasting payload to a destination router according to its address to form the full broadcasting packet.

14. (Original) The computer readable medium of claim 13 wherein said document distribution system is an electronic mail distribution system associated with electronic mail sources.

15. (Original) The computer readable medium of claim 13 wherein:

said communication network is a distributed network; said broadcasting payloads are digitized packets; and

said network distribution system is a network server system.